Taksar, I. M.

USSR .

Taksar, I. M., and Plume, Z. Ya. Some boundary problems of the theory of impulsive magnetization. Akad. Nauk Latv. SSR. Trudy Inst. Fiz. 6, 21–38 (1953). (Russian)
The authors treat the problem of longitudinal magnetization of an infinite, circularly cylindrical, conducting wire of unit radius by the application of an external magnetic field. The wire has constant conductivity and permeability within the radius a from the axis, and other, also constant, conductivity and permeability between a and the outer surface. Two cases of external field are considered: in one the field jumps from zero to unity at time $t=0$, while in the other the value unity is approached exponentially. The longitudinal magnetic field is said to satisfy the differential equation $\Delta H = 4\pi\mu(r)\gamma(r)c^{-2}\partial H/\partial t$, H being continuous across discontinuities in μ and γ. The problem is solved by separation of variables.   *J. Shmoy* (New York, N. Y.).
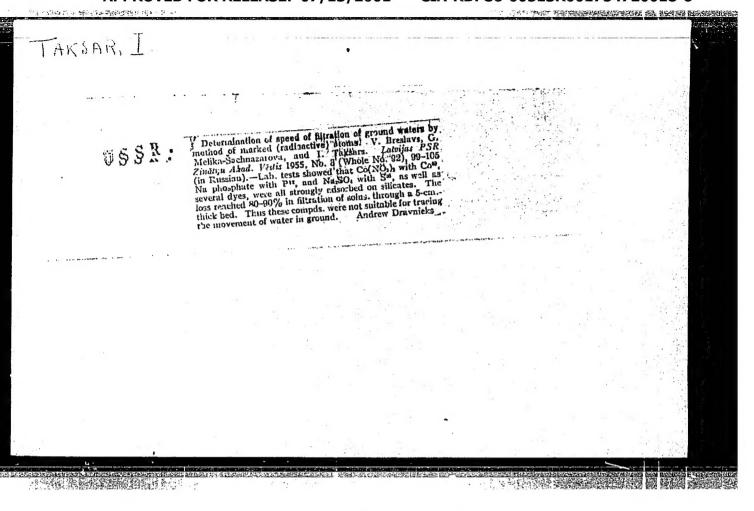
1 - F/W

TAKSAR, I. M.

"Particle With Spin 3/2 in a Magnetic Field,"
Tr. in-ta fiziki AN LatvSSR, No 6, pp 114-122, 1953

Equations of a free particle with spin 3/2 spinor-vector form
as suggested by I. Ye. Tamm and A. S. Davydov (ZhETF 17, 427 (1947) are
generalized for the case of interaction with an electromagnetic field
through introduction of a spin-tensor which becomes zero in absence of
field. The ratio of magnetic moment of the particle to the mechanical
moment was found to be 2/3 ℓ/2mc. (RZhFiz, No 4, 1955)

SO: Sum, No 606, 5 Aug 55

TAKSAR, I

USSR:

Determination of speed of filtration of ground waters by method of marked (radioactive) atoms. V. Breslavs, G. Melika-Sochnazarova, and I. Taksars. *Latvijas PSR Zinātņu Akad. Vēstis* 1955, No. 8 (Whole No. 92), 99–105 (in Russian).—Lab. tests showed that $Co(NO_3)_2$ with Co^{60}, Na phosphate with P^{32}, and Na_2SO_4 with S^{35}, as well as several dyes, were all strongly adsorbed on silicates. The loss reached 80–90% in filtration of solns. through a 5-cm. thick bed. Thus these compds. were not suitable for tracing the movement of water in ground. Andrew Dravnieks

Fizika i Tekhnika Primeneniya Radioaktivnykh Izotopov (Physics
and Technique of Use of Radioisotopes), Works of the Institute
of Physics, Vol 9, edited by Ya, E. Chudars, Candidate of Physi-
comathematical Sciences; I. M. Taksar, Candidate of Physico-
mathematical Sciences; and L. L. Pelekis, Riga, Publishing
House of the Academy of Sciences Latvian SSR, 1956, 165 pp

USSR/Theoretical Physics - Quantum Field Theory   B-6

Abst Journal : Referat Zhur - Fizika, No 12, 1956, 33799

       Author : Kunin, P. Ye., Taksar, I. M.

  Institution : Ione

       Title : Nucleon Interaction with Allowance for Isobar States

    Original
  Periodical : Latvijas PSR zinatnu akademijas Vestis, 1956, No 2, 105-115

   Abstract : Nucleon interaction is considered with allowances for the isobar
               state of the nucleon, which is treated from the point of view of
               the semiphenomenological theory of I. E. Tamm and others (Referat
               Zhur - Fizika, 1955, 13184). The state of a system consisting
               of 2 nucleons is described by a wave function, which has many
               components, so that one or both nucleons can be in the isobar state.
               A system of integral equations of the covariant type is obtained

       Card 1/2

USSR/Theoretical Physics - Quantum Field Theory   B-6

Abst Journal :   Referat Zhur - Fizika,   No 12,   1956,   33799

for the components of the wave function. Next, one ignores in this
system of equations those components which vanish in the absence of
a field. Inasmuch as the interaction with the isobar can be con-
sidered small, these components yield correction for the next ap-
proximation of the perturbation theory. A transition is then ef-
fected from 4-dimensional functions to 3-dimensional ones for which
a system of 36 integral equations of the Tamm-Dancoff type with
36 unknown functions is formulated. This system can be applied to
processes in which the nucleons are both in free as well as in
bound states.

Card 2/2

YANUSHKOVSKIY, Vladimir Aleksandrovich; SHUMILOVSKIY, N.N., prof.,
     doktor tekhn. nauk, red.; TAKSAR, I.M., kand. fiz.-mat. nauk,
     red.; PROKOF'YEV, P.T., kand. fiz.-mat. nauk, red.; PELEKIS,
     L.L., red.; LEVI, S., red.; BOKMAN, R., tekhn. red.

[Use of radioactive radiation in industry] Primenenie radio-
aktivnykh izluchenii v promyshlennosti. Riga, Izd-vo Akad.
nauk Latviiskoi SSR, 1957. 104 p.   (MIRA 15:2)
     (Radioactivity--Industrial applications)

TAKSAR, I. M.

4556

SOME RELATIVISTIC PROPERTIES OF THE BEHAVIOR OF SPIN-½ PARTICLES. P. E. Kunin and I. M. Taksar (Academy of Sciences, Latvian SSR). Soviet Phys. JETP 5, 428-8(1957) Oct.

It is shown that in the case of a scalar field the Klein paradox does not arise for spin-½ particles tunneling through a potential barrier. The particle does not fall toward the center of a centrally symmetric field even when a high-order pole exists in the center. This result also holds in classical relativistic theory. (Auth)

Distr: 4E4c/4E3d

So. Zhur. Eksp. i Teor. Fiz. 32 No 3: 506-9 Nr 57

1. Latviyskiy gosudarstvenny universitet i institut Fiziki AN Latviyskoy SSR.

119-6-14/16

Scientific-Technical Conference on Methods of Radioactive
Control and Regulation of Manufacturing Processes

doctor of technical sciences and L.V.Mel'ttser, candidate of technical
sciences (institute for automation and telemechanics AN USSR); it dealt
with the basic trends and tendences in the development of the auto-
mation production control by means of nuclear radiation. Great atten-
tion was paid to the reports of the Scientific Research Institute for
the Construction of Heat-Energetic Apparatus (NIITeplopribor), which
dealt with the theoretical principles in the design of radioactive
apparatus for the measuring of the level and density of liquids.
B.I.Verkhovskiy (Physical Institute AN USSR imeni Lebedev) described a
method on the increase of exactness in the measuring of the intensity
of radioactive radiation. I.M. Taksar and V.A.Yanushkovskiy (Institute
for Physics AN Latvian SSR) reported on the consideration which should
be given to the statistic of the control signal at the registration of
radiation by means of a radioactive relay. The report of V.K.Latyshev,
Yu.S.Pliskin, L.K.Tatochenko and A.K. Felinger (Central Scientific
Research Institute for Iron-Mining) dealt with the characterization
of the principle of the establishment of a quick-working radioactive
ammeter. Other interesting reports were submitted: by the Central
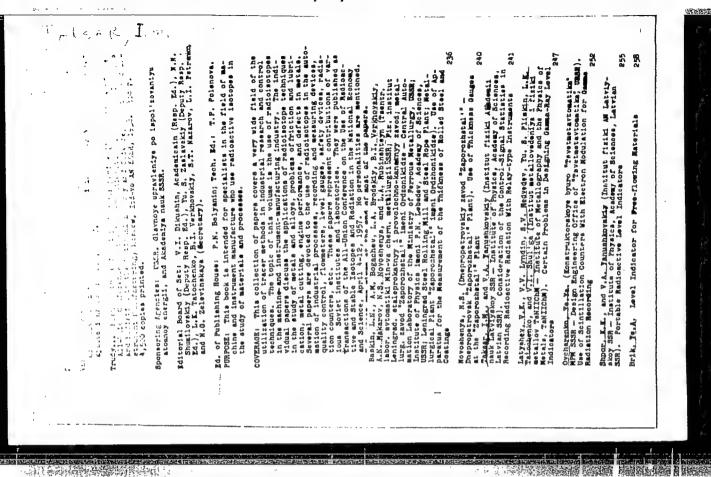Scientific Research Institute for Iron Mining, by the Central
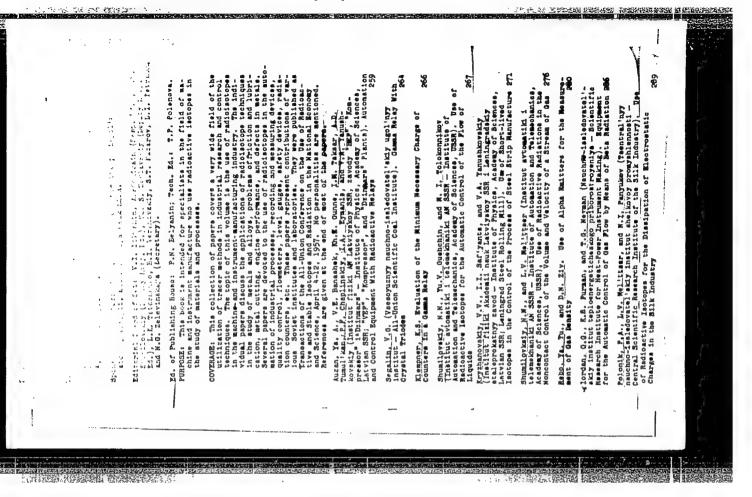
Card 2/3

PA - 2962

AUTHOR   KUNIN, P.L., TAKAR, I.M.,
TITLE   Some Relativistic Pecularities of the Behavior of the Particles with
           Spin 1/2.
           (Nekotoryye relyativistikiye osobennosti povedeniya chastits so spi-
           nom 1/2 - Russian)

PERIODICAL Zhurnal Eksperim.i Teoret. Fiziki, 1957, Vol 32, Nr 3,
           pp 506-509, (U.S.S.R.)   Reviewed 7/1957
           Received 6/1957

ABSTRACT   In the case of scalar interaction the potential of the interaction bet-
           ween the particle and the field is invariant, whilst in the case of el-
           ectrostatic (vectorial) interaction the potential consists of the fourth
           component of a fourdimensional vector. Therefore the DIRAC equations
           which describe the behavior of a particle with spin 1/2 in the scalar
           field, have the following form, $\left\{ E - i(\alpha_1 \frac{\partial}{\partial x} + \alpha_2 \frac{\partial}{\partial y} + \alpha_3 \frac{\partial}{\partial z}) + \beta_3 (E_0 + U) \right\} \psi = 0$

           Here E denotes the total energy of the particle, E_0 - its rest energy,
           U - the potential energy of the particle in the scalar field, $\alpha_1, \alpha_2, \alpha_3,$
           and β_3 - DIRAC matrices. PLANCK'S constant and the velocity of light
           are here put equal to 1. The authors here examine the onedimensional mo-
           tion of the particle in the direction of the Ox-axis in a field, which
           represents a straight potential barrier of the form $U=0(x<0)$, $U=U_0(x>0)$
           Here also the solution of the SCHRODINGER equation is set up in the form
           of the plane waves $\psi_i = a_i e^{ipx} + b_i e^{-ipx}(x<0)$, $i = c_i e^{ipx}(x>0)$, and by

Card 1/2

PELSAR, I...

Trudy...
All-...
and ...
...
4,500 copies printed.

Sponsoring Agencies: USSR. Glavnoye upravleniye po ispol'zovaniyu atomnoy energii, and Akademiya nauk SSSR.

Editorial Board of Set: V.I. Dikushin, Academician (Resp. Ed.), N.M. Shumilovskiy (Deputy Resp. Ed.), Yu. S. Zaslavskiy (Deputy Resp. Ed.), L.K. Tatochenko, B.I. Verkhovskiy, S.T. Nazarov, L.I. Petrenko and N.G. Zelevinskaya (Secretary).

Ed. of Publishing House: P.N. Belyanin; Tech. Ed.: T.P. Polenova.

PURPOSE: This book is intended for specialists in the field of machine and instrument manufacture who use radioactive isotopes in the study of materials and processes.

COVERAGE: This collection of papers covers a very wide field of the utilization of tracer methods in industrial research and control techniques. The topic of this volume is the use of radioisotopes in the machine-and instrument-manufacturing industry. The individual papers discuss the applications of radioisotope techniques in the study of metals and alloys, problems of friction and lubrication, metal cutting, engine performance, and defects in metals. Several papers are devoted to the use of radioisotopes in the automation of industrial processes, recording and measuring devices, quality control, flowmeters, level gauges, safety devices, radiation counters, etc. These papers represent contributions of various Soviet institutes and laboratories. They were published as Transactions of the All-Union Conference on the Use of Radioactive and Stable Isotopes and Radiation in the National Economy and Science, April 4-12, 1957. No personalities are mentioned.

Editors: [...] V.I. [...]; Ed. [...] (Resp. [...]
[...] (Cont. [...] L. S. [...] (Dep.); [...]
Ed.), L.L. Tribchimo, E.I. [...], S.F. Petrov, L.I. Petrova
and N.G. Zelevinskaya (Secretary).

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in the study of metals and alloys, problems of friction and lubri-
cation, metal cutting, engine performance, and defects in metals.
Several papers are devoted to the use of radioisotopes in the auto-
mation of industrial processes, recording and measuring devices,
quality control, flowmeters, level gauges, safety devices, radia-
tion counters, etc. These papers represent contributions of var-
ious Soviet institutes and laboratories. They were published as
Transactions of the All-Union Conference on the Use of Radioac-
tive and Stable Isotope and Radiation in the National Economy
and Science, April 4-12, 1957. No personalities are mentioned.
References are given at the end of most of the papers.

Auzan, Ya. A., V.E. Banashek, Kh.E. Gunne, I.M. Teker, A.D.
Tumul'kan, P.F. Chaplinskiy, I.A. Ermanis, and V.K. Yanuh-
kovskiy (Institut fiziki AN Latviyskoy SSR, zavody "ВЭФ", "Kom-
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Latvian SSR; "VEF", "Kompressor", and "Drizmars" Plants). Automation
and Control Equipment With Radioactive Relays   259

Segalina, V.G. (Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy
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Academy of Sciences, USSR), Use of Radioactive Radiation in the
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Jordan, G.G., K.S. Furman, and T.G. Merman (Nauchno-issledovatel'-
skiy institut teploenergeticheskogo priboroistroyeniya — Scientific
Research Institute for Heat-Power Instrument Making). Equipment
for the Automatic Control of Gas Flow by Means of Beta Radiation 286

Polonik, P.A., L.V. Mellitter, and N.I. Panyukov (Tsentral'nyy
nauchno-issledovatel'skiy institut shelkovoy promyshlennosti —
Central Scientific Research Institute of the Silk Industry). Use
of Radioactive Isotopes for the Dissipation of Electrostatic
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SHUMILOVSKIY, N. N., YAMUSHKOVSKIY, V. A. and TAKSAR, I. M. and others.

"The Theory and Practice of Applying Relay-Type Instruments Based on the Use XXXX
of Radioactive Isotopes."
        to be
paper presented at 2nd UN INtl. Conf. on the peaceful uses of Atomic Energy,
Geneva, 1 - 13 Sep 58.

TAKSAR, M

PHASE I BOOK EXPLOITATION   SOV/4461

Akademiya nauk Latviyskoy SSR

Nauka - proizvodstvu; kratkiye annotatsii rabot, vypolnennykh dlya promyshlen-
  nosti i stroitel'stva, vyp. 4 (From Science to Production; Short Annotations
  of Work Accomplished for Industry and Construction, Vol.4) Riga,
  1959. 119 p.   1,000 copies printed.

Editorial Board: S. B. Aynbinder, Candidate of Technical Sciences, M. P. Zakis,
  Candidate of Economic Sciences, A. K. Malmeyster, Corresponding Member,
  Academy of Building and Architecture SSSR, P.N. Odintsov, Corresponding
  Member, Academy of Sciences Latviyskaya SSR, and K. K. Plaude (Resp. Ed.)
  Academician, Academy of Sciences Latviyskaya SSR; Ed.: Ch. Shklennik ;
  Tech. Ed.: R. Bokman.

PURPOSE: This book is intended for construction and industrial scientific
  personnel, especially those concerned with the use of radioactive isotopes.

COVERAGE: The book contains 44 articles presenting the results of work accomplished
  44 institutes of the Latvian Academy of Sciences in 1958. The articles, which
  deal with assorted problems in the mechanical, building, and chemical

Card 1/15

From Science to Production (Cont.)   SOV/4461

industries, are grouped in the following sections: automation and mechaniza-
tion of industrial processes, machinery construction, construction and con-
struction materials, chemical technology, and industrial economy. References
accompany individual articles.

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TAKSAR, I. M.

PHASE. BOOK EXPLOITATION   SOV/2713

1)

International Conference on the Peaceful Uses of Atomic Energy. 2nd, Geneva, 1958

Doklady sovetskikh uchenykh; polucheniye i primeneniye izotopov (Reports of Soviet Scientists; Production and Application of Isotopes) Moscow, Atomizdat, 1959. 588 p. (Series: Its: Trudy, vol. 6) 6,000 copies printed.

Eds. (title page): O.V. Kurchatov, Academician, and I.I. Novikov, Corresponding Member, USSR Academy of Sciences; Ed. (inside book): Z.D. Akkerman; Tech. Ed.: Z.D. Andreyeva.

PURPOSE: This book is intended for scientists, engineers, physicists, and biologists engaged in the production and application of atomic energy in peaceful uses; for professors and graduate and postgraduate students of higher technical schools where nuclear science is taught; and for the general public interested in atomic science and technology.

COVERAGE: This is volume 6 of a twelve set of reports delivered by Soviet scientists at the Second International Conference on the Peaceful Uses of atomic energy held in Geneva from September 1 to 14, 1958. Volume 6 contains 32 reports on: 1) modern methods for the production of stable radioactive isotopes and their initial separation, 2) measurements with stable and active isotopes in the field of chemistry, metallurgy, machine building, and agriculture, and 3) chemistry of stable radioactive isotopes. Volume 6 was edited by S.V. Levinskiy, Candidate of Chemical Sciences; Ye.D. Prusakov, Candidate of Chemical Sciences; and V.V. Bochkarev, Candidate of Medical Sciences. See Sov/XXX for titles of volumes of the set. References appear at the end of the articles.

IAKSAR, I. M.

report to be presented at the 1st Intl Congress of the Intl Federation of Automatic
Control, 25 Jun-5 Jul 1960, Moscow, USSR.

LERNER, A. Ya. - "The application of a self-adjusting system of automatic contol"

MALOV, V. S., PREOBRAZHENSKIY, A. K., and KRIVENKOV, A. - "Industrial telemeasurement systems and digital technique"

MITROV, N. Y. - "Some peculiarities of the structure of multi-communications regulation systems"

MIKHAILOVSKIY, V. N. - "Analysis indexes and the possibility of increasing the quality of telemeasurement systems"

KOSENKO, V. V. - "Concerning the problem of establishing routines in automatic regulation systems"

PETRENKO, E. A. - "Principles of construction of digital double code automatic computers"

BROMBERG, Yu. I. - "Concerning the relation of systems of automatic regulation with the parameters of periodic movements"

NIKOLAYEV, I. S., and SMIRNOV, V. L. - "Systems of automatic control of cutting of rolled metal on a continuous bar mill with the use of digital calculating machines"

OBRAZTSOV, V. M. - "Some principles of organizing systems of complex automation of large scale chemical production and optimization of these systems"

OSTROVSKIY, G. M. - "Systems of automatic regulation with intermittent change of parameters"

PUGOV, V. P. - "Statistical synthesis of impulse systems"

PEŠEV, B. M. - "The invariant principle and its application in the calculation of linear and nonlinear systems"

PIVEN, V. D. - "The problem of accuracy in the technique of automatic control"

POPOV, E. P. - "Some problems of synthesis of automatic control non-linear systems"

PUGACHEV, V. S. - "Method of determining the optimum system with non-linear relation of the observed function with the parameters of the signal"

PUSTILL, V. P., PETROV, V. V., NIKONOV, R. V., and VOLOGDIN, B. N. - "Principles of construction of a single class of extra control systems for automatic production processes"

ROGINSKIY, V. N. - "The development of the theory of relay devices in the USSR"

ROITELMAN, M. A. - "Dynamic characteristics of cores with high angle hysteresis winding and their influence on magnetic boosters"

RODOMER, I. I. - "Varied methods of investigating the quality of automatic control systems"

REBINSKIY, V. M. - "Dynamics of automatic regulation of boiler-turbine units"

SKWOZLOVSKIY, E. B., NEL'SKER, L. V., SAMSON, A. A., MER-CHEN-CHUNG, and PSYGHARN, L. A. - "Automatic control of composition of multi-ingredient mixtures"

SMAGOVSKIY, E. S., and SMALIN, V. G. - "Some results of work for the utilization of radioactive radiation for automatic control of aiming machinery"

SOLODOVNIKOV, V. V., BATKOV, A. M., BABURIN, V. K., VALDETERRO, Yu. S., MATVEEV, P. S., and POKROVSKIY, A. K. - "Analyses and synthesis of automatic control systems with the aid of calculating machine facilities"

STALSOVSKIY, R. L., FITSNER, L. N., and CHULIN, A. D. - "Automation, optimizers and their use for solution of variation problems in automatic synthesis"

SHWALEV, S. V. - "A system of alternating current electric drives with autonomous power supply"

TARAN, I. M., and TARTAKOVSKIY, V. A. - "Apparatus for technical control of production with the use of nuclear radiation"

TEODORCHIK, K. F., and BECHRIKOV, G. A. - "Methods of organizing the trajectory of roots of linear systems and qualitative determination of trajectory"

TSYPKIN, Ya. Z. - "Elements of the theory of digital automatic systems"

VRONSKIY, D. B., BARIKIN, V. A., CHULIN, Yu. I., and SMUSTEVA, G. A. - "Static stability of telemeasurement"

VELIKOV, V. A. - "Interrelation of a mathematical modelling and calculating technology experiment in calculating loads in electrical systems"

Transactions of the Tashkent (Cont.)   SOV/5410

Candidate of Physics and Mathematics; Ya. Kh. Turakulov, Doctor
of Biological Sciences. Ed.: R. I. Khamidov; Tech. Ed.: A. G.
Babakhanova.

PURPOSE : The publication is intended for scientific workers and
specialists employed in enterprises where radioactive isotopes
and nuclear radiation are used for research in chemical, geo-
logical, and technological fields.

COVERAGE: This collection of 133 articles represents the second
volume of the Transactions of the Tashkent Conference on the
Peaceful Uses of Atomic Energy. The individual articles deal
with a wide range of problems in the field of nuclear radiation,
including: production and chemical analysis of radioactive
isotopes; investigation of the kinetics of chemical reactions
by means of isotopes; application of spectral analysis for the
manufacturing of radioactive preparations; radioactive methods
for determining the content of elements in the rocks; and an
analysis of methods for obtaining pure substances. Certain

Card 2/20

Transactions of the Tashkent (Cont.)   SOV/5410

   instruments used, such as automatic regulators, flowmeters,
   level gauges, and high-sensitivity gamma-relays, are described.
   No personalities are mentioned. References follow individual
   articles.

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                RADIOACTIVE ISOTOPES AND NUCLEAR RADIATION
                     IN ENGINEERING AND GEOLOGY

Card 3/20

S/194/62/000/001/017/066
D201/D305

AUTHORS: Taksar, I. M. and Yarmushkovskiy, V. A.

TITLE: Problems of standardizing the technological control
              equipment in radioactive isotope applications

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
              no. 1, 1962, abstract 1-2-39s (Tr. Tashkents. konfe-
              rentsii po mirn. uspol'zovaniyu atomn. energii. T.2
              Tashkent. AN UzSSR, 1960, 9-17)

TEXT: This is a short description of the position (relay) type of
instruments as developed by the Institut fiziki AN LatSSR (Insti-
tute of Physics of the AS LatvSSR) in conjunction with the Tallin
factory of control and measurement instruments. For the purposes
of standardization the equipment was divided into 3 separate parts:
The source of radiation, transmitter and a universal electronic re-
lay unit. Various purpose instruments, using 8 types of radio-ac-
tive transmitters are considered. The example of using switching
instruments in the continuous action equipment is given which shows

Card 1/2

Problems of standardizing ...

S/194/62/000/001/017/066
D201/D305

new possibilities in the construction of regulating and control ar-
rangements. 8 figures. 3 references. /¯Abstracter's note: Complete
translation._7

Card 2/2

S/C81/62/000/001/026/067
B151/3101

AUTHORS: Barabanov, B. V., Zarinya, E. M., Ogilets, M. V.,
             Taksar, I. M., Yanushkovskiy, V. A.

TITLE: Automatic control of a vacuum-distillation apparatus
             using radioactive relay systems

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 1, 1962, 300,
             abstract 1I153 (Sb. "Radioaktivn. izotopy i yadern.
             izlucheniya v nar. kh-ve SSSR. v. 2". M., Gostoptekhizdat,
             1961, 84-85)

TEXT: For the control of a single-shell vacuum-distillation apparatus in
the Rizhskiy maslozhirovyy kombinat (Riga Oil and Fat Combine) a system
has been installed whereby a measuring column with an areometer floating in
it is connected with the apparatus by means of two thin tubes. On the
column there are two β-radiation sources of the БИ-1 (BI-1) type and two
pickups of the РД-6 (RD-6) type (for determination of the density and level
of the solution). The signal from the pickups enters a standard amplifier

Card 1/2

Automatic control of ...

S/081/62/000/001/026/067
B151/B101

circuit of the ¨¨ - . (URAP-ZD) type and is then passed on to an automatic control block through the slave. It is envisaged that the transition will be made from automatic control to semi-automatic and centralized manual control. The installation of this system in a single shell vacuum distillation apparatus for the production of glycerin gives an economic saving of ~ 64 thousand roubles per year. (Abstracter's note: Complete translation.)

Card 2/2

ACCESSION NR: AP3007869

AUTHORS: Kunin, P.; Taksar, I.; Shiltere, M.; Shilter, E.

TITLE: On energy spectra and oscillator forces in single valence atoms

SOURCE: AN LatSSR. Izvestiya, no. 8, 1963, 57-62

TOPIC TAGS: Shrödinger equation, single valence atom, potential field, neutral atom, single charge ion, lithium atom, sodium atom, potassium atom

ABSTRACT: The Shrödinger equation has been solved for single-valence atoms in two effective potential fields given by

$$U = -\frac{B}{r} + \frac{s(s+1)}{2r^2}, \quad (1)$$

where B = 1 for neutral atoms, B = 2 for single-charge ions, etc., and by a second, more complicated, one given by

$$U = \frac{-2r^2 - 2ar + s(s+1)b}{2r^2(r+b)} \quad (2)$$

Card 1/2

ACCESSION NR: AP3007869

A closed form solution is obtained for (1) and a three-term recurrence formula, represented by a series, for (2). Detailed numerical computations on an electronic computer are obtained for lithium, sodium, and potassium atoms and in isoelectron series of lithium. The various parameters appearing in the equations for various energy levels are determined from experimental data. All computations were performed on the BESM-2 VTs computer at Latviyskiy gosudarstvennogo universitet Im. P. Stuchki (Latvian State University). Orig. art. has: 12 formulas and 1 table.

ASSOCIATION: none

SUBMITTED: 26Dec62   DATE ACQ: 21Oct63   ENCL: 00

SUB CODE: PH   NO REF SOV: 003   OTHER: 000

Card 2/2

KUNIN, P.; TAKSAR, I.; SHILTER, E. [Silters, E.]

Effective potential method for determining the sodium
atom. Izv. AN Latv. SSR no.10:49-53 '63.   (MIRA 17:1)

ZAPOL', B.; KUNIN, P.; TAKSAR, I.; TSIRULE, Z. [Cirule, Z.]

Effective potential method for calculating the energy spectrum and wave functions of univalent atoms. Izv. AN Latv. SSR no.10:54-56 '63. (MIRA 17:1)

L 01468-66   EWT(?)   IJP(c)

ACCESSION NR: AP5016658

UR/0382/65/000/002/0101/0110
538.4+621.689

AUTHOR: Valdmanis, Ya. Ya.; Kunin, P. Ye.; Mikel'son, Yu. Ya.; Taksar, I. M.

TITLE: Conducting slab in a traveling electromagnetic field of a two-sided in-
ductor

SOURCE: Magnitnaya gidrodinamika, no. 2, 1965, 101-110

TOPIC TAGS: MHD, electromagnetic field, current density, magnetic induction

ABSTRACT: Theoretical study of current density and magnetic induction in a slab
with conductivity σ and permeability μ_0 is reported. The slab is placed between
linear round conductors; the slab and conductors are between regions characterized
by infinite permeability. These are denoted as regions I, II, III in fig. 1 of the
Enclosure. The conductors producing the traveling magnetic field are connected to a
three-phase generator. The solution for magnetic vector potential and current den-
sity are obtained by writing out both as infinite series and appropriate boundary
conditions are applied. The resulting magnetic induction (and current density) then

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ACCESSION NR: AP5016658

lead to the expression for the magnetic force density components along and across
the conducting slab. The conditions for minimizing the effects of various harmo-
nics on the magnetic force density are given as well as its dependance on the skin
depth in the slab and separation of conductors from the slab. Change in force den-
sity is also considered when N conductors are connected to a given phase. The dif-
ferences between the two cases are pointed out and it is noted that only a small
increase in force density can be achieved. Finally, two more cases are considered
where the current-carrying round conductors are replaced by flat plates with and
without separation between them. The average force density is computed to within
0.1%. Orig. art. has: 46 formulas, 4 figures.

ASSOCIATION: none

SUBMITTED: 01Oct64   ENCL: 01   SUB CODE: EM, ME

NO REF SOV: 002   OTHER: 000

Card 2/3

L 01468-66

Fig. 1.
I--Infinite conducting slab with conductivity σ and permeability μ_0
II--Region with conductivity $\sigma \neq 0$ and $\mu = \mu_0$
III--Region with $\mu = \infty$ and $\sigma = 0$

Card 3/3

1. TAKSARS A. KIRITIS I.E.

2. USSR (600)

4. Solenoids

7. Magntic field of a terminal solenois, Latv.PSR Zin. Akad. Vestic no.o 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, unclass.

TAKSERMAN, D.; RASHKOVETSKIY, M.

Loading and unloading rubber in the Il'ichevsk harbor. Mor.
flot 23 no.1:11-12 Ja '63.   (MIRA 16:4)

1. Machal'nik kommercheskogo otdela Il'ichevskogo porta (for
Takserman). 2. Dispetcher Il'ichevskogo porta (for Rashkovetskiy).
          (Il'ichevsk—Loading and unloading)
          (Rubber—Transportation)

TAKISI ...

' .....t problems in the operation of the fleet and ports. Mor. flot
24 no.12:10 D '64.   (MIRA 18:8)

1. Starshiy inzhener po kommercheskoy rabote Upravleniya
passazhirskogo flota Chernomorskogo parokhodstva.

Wiad-Urol=, Wiadomosci Chemiczne, Vol 15, No 12 (174),
December 1961.

1107

1/1

1. "Ione-Complex Mechanism of Nitration of Aromatic and Unsaturated Compounds," A. I. TITOV of the State Scientific and Research Institute for Organic Semiproducts and Dyes, Al Moscow (translation of an article originally published in Usp chim, 27, 845 (1958) by M. MAKOSZ of the Faculty of Chemistry (Wydzial Chemiczny) of the Polytechnic Institute (Politechnika) at Warsaw, pp 741-811 (English Summary).

2. "Intraparticle Redox Potentials," M. CZAKIS-SULIKOW-SKA, pp 812-818.

3. "New Reactions and Combinations of Complex Inorganic and Tertiary Amines and Their Complexes with those with Tertiary Amines," Zdzislaw BRZOZOWSKI of the Chair of Priority Amines, Katedra Chemii Organicznej)) of the Organic Chemistry (University of M. Kopernika, M. Kopernika University (University M. Kopernika) at Torun (Doctorate dissertation monograph, Sponsor: Prof. Dr. Witold ZACHARSKICZ; Reviewers (recenzent): Prof. Dr. Josef JARESZYCZ and Docent Dr. Jan KRUPO-WICZ), pp 813-818.

4. "Behavior of Rigid Macroparticles in a Velocity Field with Longitudinal Gradient," Rachela DARABCZUK-KRUZER of the Institute of General Chemistry (Instytut Chemii Ogolnej) of the Research Office of Applied Physics (Pracownia Fizyki Technicznej)) (Doctorate dissertation monograph, Sponsor: Docent Janina STRUSZYNSKA; Reviewers: Prof. Dr. Blizia TUBARA and Docent Dr. Eng. Jerzy ZAWADZKI)), pp 819-824.

KAISER, W.-H. FTER, W.; [...] , W.

Certain problems of structural viscosity and thixotropy of diluted polymer solutions. Polimery tworz wielk , no.6. 230-237 Je '63.

1. Pracownia Fizyki Polimerow, Zaklad Fizyki Technicznej, Instytut Chemii Organicznej, Warszwa.

TAKSERMAN-KROZER, R.

Character of deformation and hydrodynamic properties of
polymer solutions. Pt.1. Polimery tworz wielk 8 no.7/8:
282-287 Jl-Ag'63.

1. Pracownia Fizyki Polimerow, Zaklad Fizyki Technicznej,
Instytut Chemii Ogolnej, Warszawa.

TAKSERMAN-KROZER,R.

Effect of the character of deformation on the hydrodynamic properties of polymer solutions. Polimery tworz wiel 8 no.10: 372-378 O'63.

1. Pracownia Fizyki Polimerow, Zaklad Fizyki Technicznej, Instytut Chemii Ogolnej, Warszawa.

TAKSERMAN-KROZER, R.

Behavior of flexible chain-macromolecules in the hydrodynamic
field with parallel velocity gradient. Bul Ac Pol mat 11
no. 9:603-613 '63.

1. Department of Technical Physics, Institute of General
    Chemistry, Warsaw. Presented by L. Infeld.

ZIABICKI, Andrzej; TAKSLRMAN-KROZLR, Rachela

   Formation and breakage of liquid threads. Pts. 1-2. Rocz
chemii 37 no.11:1503-1518 '63.

   1. Institute of General Chemistry, Department of Technical Physics,
Warsaw-Zoliborz.

ZIABICKI, Andrzej; TAKSERMAN-KROZER, Rachela

Formation and breakage of liquid threads. Pt. 3. Rocz chemii 37 no.12:1607-1616 '63.

1. Institute of General Chemistry, Department of Technical Physics, Warszawa-Zoliborz.

TAKSERMAN-KROZER, R.

Properties of solutions containing flexible chain macromolecules in a velocity field of general kind with a constant velocity gradient. Pts. 1-2. Bul Ac Pol math 12 no.9:549-571 '64.

1. Department of Technical Physics of the Institute of General Chemistry, Warsaw. Presented by L. Infeld.

AKCERMAN, ROGER, R.

Properties of solutions containing flexible chain macromolecules
in a general velocity field with constant gradient of velocity.
Pts. 3-4. Bul Ac Pol math 12 no.10:627-648 '64.

1. Division of Technical Physics of the Institute of General
Chemistry, Warsaw. Submitted July 13, 1964.

TAKSHIN, I.D.

Production potentialities of skip hoists of operating blast
furnaces. Met. i gornorud. prom. no. 2:23-24 Mr-Ap '64.
(MIRA 17:9)

TAKSIC, Antun, prof.

Professor Marko Margetic, April 25, 1891-March 19, 1955; obituary.
Geol vjes Hrv 8/9:247-249 '54/'55 [publ. '56]

TAKTIC, A.; ADLAC, V ; SABICNOLLLC, P.

Finds of new coal deposits in Krndija Planina. p. 97.

GLULOGAI VJESNIK. (Zavod za geoloska istrazivanja Hrvatske i Hrvatsko geolosko drustvo) Zagreb, Yugoslavia. Vol. 11, 1957 (published 1958)

Monthly list of East European Accessions (EAAI) LC, Vol. 8, no 8, Aug. 1959

Uncl.

TAKSIC, Antun

      Fifty years of the geologic service in Croatia, 1909-1959. Geol vjes
      Hrv 13:219-221 '59 (published '60).   (EEAI 10:4)
         (Croatia--Geology)

TAKSIC, Antun

> Prof. Dragutin Anic; obituary. Geol vjes Hrv 15 no.2:519-523
> [publ. '63]

TAKSIS, A. I.

Chill casting iron kitchen pots. Lit.proizv. no.7:28-29 Jl'55.
(Revda--Founding)   (MLRA 8:10)

ACC NR: AP6036904   SOURCE CODE: UR/0226/66/000/011/0072/0076

AUTHOR: Bessonov, A. F.; Taksis, G. A.; Semavin, Yu. N.

ORG: Uralsk Polytechnic Institute im. S. M. Kirov (Ural'skiy politekhnicheskiy institut)

TITLE: Investigation of solid phase reactions with the aid of a micrometric dilatometer

SOURCE: Poroshkovaya metallurgiya, no. 11, 1966, 72-76

TOPIC TAGS: chemical reaction, solid phase reaction, dimension analysis, micrometric dilatometer, dilatometer, calcium carbonate, cuprous oxide, iron oxide, material deformation, aluminum oxide, zirconium oxide

ABSTRACT: A schematic diagram is presented for a high-temperature complex micrometric dilatometer. Use of this dilatometer, makes it possible to analyze in addition to changes in linear dimensions the sequence of processes which occur in samples of $MgO + FeO$, $MgO + Cu_2O$, $Al_2O_3 + Cu_2O$, and $ZrO_2 + CaCO_3$ on heating. The special characteristics of these processes are determined for temperature regions of existence of various phases, areas of pronounced shrinkage

Card 1/2

ACC NR: AP6036904

of material, and temperatures of development of swelling, sintering, etc. Orig.
art. has: 5 figures. [Based on authors' abstract]   [NT]

SUB CODE: 11/SUBM DATE: 25Feb66/ORIG REF: 006/OTH REF: 004/

Card 2/2

TAKSIS, V.

More attention to the public instructor. Voen. znan. 39
no.12:26 D '63.   (MIRA 17:1)

1. Nachal'nik shkoly grazhdanskoy oborony Dobrovol'nogo
obshchestva sodeystviya armii, aviatsii i floty, Sverdlovsk.

TATSONY, Gy. - Vol. 9, no. 5, May 1955. - Magyar Energia-tudasag

Heating needs of towns and settlements; determination of basic data on the source of heat in thermal power plants. (To be contd.) p. 176.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

Heating needs of towns and settlements; determination of basic data on the source of
heat in thermal power plants. Pt. 2. (To be contd.) p. 265.
(ENERGIE ES HIDROTECH. Vol. 7, no. 7, July 1955. Budapest.)

SO: Monthly List of East European Accession. (EEAI). LC. Vol 4. No. 12. Dec. 1955.

TARSITI, GY. Heating needs of towns and settlements; determination of basic data on the source of heat in thermal power plants. (Conclusion) p. 2).

Vol. , no. 4, Aug. 195 .
MAGYAR TUDOMANYOS.
TECHNOLOGY
Budapest, Hungary

So; East European Accession, Vol. 5, No. 5, May 1956

STOCK, S...

... periodical ... ... to the Soviet ... ... ities for their ... ...

... ... 23, ... 1966 Budapest, Hungary ... ...

D: ... List of East European Accession, (ELAB), ..., Vol. 5 ... 3, ... , ...

MADON, E.

Automatic regulation of heating and district heating.

p. 173 (Energia es Atomtechnika) Vol. 10, no. 4, Aug. 1957, Budapest, Hungary

S: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

Taksony, Gy.

Present conditions and outlook of district heating in Hungary.   p. 436

ENERGIA ES ATOMTECHNIKA. (Energiagazdalkodasi Tudomanyos Egyesulet)
Budapest, Hungary. Vol. 12, no. 7/8, July/August 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no.11
November 1959
Uncl.

TAKSONY, Gyorgy, okleveles gepeszmernok

Trends in international economic development of energetics.
Energia es atom 14 no.1:7-12 Ja '62.

TAKTAKISHVILI, I.G.

New data on the stratigraphic distribution of the genus
Valenciennius Rousseau. Soob. AN Gruz. SSR 29 no. 3:301-306
S '62   (MIRA 19:1)

1. Institut paleobiologii AN GruzSSR, Tbilisi. Submitted
October 31, 1961.

TARTAKISHVILI, G.D.

Cobalt and nickel content in some food products of Georgia. Vop.
pit. 22 no.6:73-74 N-D '63.   (MIRA 17:7)

1. Iz Nauchno-issledovatel'skogo instituta sanitarii i gigiyeny
Ministerstva zdravookhraneniya Gruzinskoy SSR, Tbilisi.

TAKTAKISHVILI, S.D.

Methodology of determining small quantities of nickel in biologic-
al materials. Lab. delo 10 no.3:153-156 '64.   (MIRA 17:5)

1. Nauchno-issledovatel'skiy institut sanitarii i gigiyeny Minis-
terstva zdravookhraneniya Gruzinskoy SSR, Tbilisi.

TAKTAROV,V.S., inzhener; SHARGORODSKIY,A.D., inzhener.

All-purpose machine for filling earth dams without use of trestles.
Mekh. stroi. 12 no.5:21-22 My '55. (MLRA 9:6)
(Dams) (Hydraulic engineering)

TAKTASHEV, A., prepodavatel', ROMADIN, V., prepodavatel'; GNATYUK, Ye.,
kand. tekhn. nauk, dotsent; KOLESNIK, P., dotsent

Training of specialists. Avt. transp. 41 no.6:52-54 Je '63.
(MIRA 16:8)

1. Astrakhanskiy avtodorozhnyy tekhnikum (for Taktashev,
Romadin). 2. Zamestitel' dekana transportnogo fakul'teta
Moskovskogo inzhenerno-ekonomicheskogo instituta imeni
Ordzhonikidze (for Kolesnik).

TAKTAYEV, A.

History of the organizational development of land improvement
cooperation in the Uzbek S.S.R., 1923-1931. Nauch. trudy Tash GU
no.206:54-71 '62.   (MIRA 16:6)

(Uzbekistan—Irrigation)

1. MEDVEDENKO, L. T.; TANTIONOVA, T. S.

2. USSR 600

4. Onions.

7. Effect of dry-scale removal in onions on seeds yield and on obtaining a second crop o'bulbs, Sbor. stud. rab. Umansk. sel'khoz. inst., No. 1, 1951.

9. Monthly List of Russian Accessions, Library of Congress, __April__ 1953, Uncl.

TAKUBAEV, ZH. S.

<u>Takubaev, Zh. S.</u> Calculation of highest approximations during the dispersion of
fast electrons by electrons. Page 898.

P. N. Lebedev Inst. of Physics
Acad. of Sci. USSR
February 4, 1950.

SO: Journal of Experimental and Theoretical Physics, Vol. 20, No. 10., October, 1950.

USSR/Electrochemistry   B-12

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26330

Author   : A.P. Totopov, A.M. Takubov
Title   : To the Question of Background Selection for Anode Polarography
           in Non-Aqueous Solvents.

Orig Pub : Zh. fiz. khimii, 1956, 30, No 8, 1702-1706

Abstract : The solutions of KOH in methanol and ethanol, of NaI in
           acetonitrile and $(CH_3)_4NI$ in pyridine are suitable as back-
           ground at anode polarographing with Hg drop electrode; ad-
           dition of relatively large amounts of water to KOH solution
           in ethanol does not cause any undesirable phenomena.

Card   : 1/1

TAKULOV, U. T.

"Clinical Significance of the Topography of Cancer Metastases in the Lymph Nodes of the Neck." Cand Med Sci, State Inst for the Advanced Training of Physicians, Leningrad, 1954. (RZhBiol, No 5, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

TAKULOV, U.T.

Diagnostic significance of topography of metastases of cancer in
cervical lymph nodes. Vop.onk. 1 no.5:46-56 '55.   (MIRA 10:1)

1. Iz Severo-Osetinskogo respublikanskogo onkologicheskogo
dispansera (glavnyy vrach U.T.Takulov) i Kliniki obshchey khirurgii
SOGMI (zav. - prof. G.Kh.Serkisov) Adres avtora: Ordzhonikidze,
Severo-Osetinskiy respublikanskiy onkologicheskiy dispanser.
        (LYMPH NODES, neoplasms,
            metastatic spreading from various organs, cervical nodes)
        (NECK, neoplsms,
            metastatic spreading by cervical lymph nodes various
            organs)

EXCERPTA MEDICA Sec 16 Vol 7/12   Cancer   Dec 59

★5006. **Some data on cancer of the skin in North Osetia (Russian text)**
TAKULOV U. T. Republ. Oncol. Disp. of North Osetia, Ordgeonikidze *Vopr. Onkol.*
1959, 5/8 (213-217) Tables 3
During 1947-1957 cancer of the skin accounted for 15.5-33.5"$_o$ (average 22.9"$_o$)
of all malignant tumours. The morbidity rate per 100,000 was 128 for men and
150 for women. A detailed analysis of 700 cases is given. The site was the face in

5056

82.1%, scalp 3.3%, neck 2.4%, trunk 3.3%, and extremities 5.0%. Multiple lesions were noted in 3.9% of cases. In 26 patients (3.7%) lymph node metastases were found. In tumours of the legs, however, metastases were found in 6 out of 14 patients.

(XVI, 13)

TAKULOV, U.T., dotsent

Data on the microscopic examination of the margins of a stomach preparation resected for cancer and an evaluation of the degree of the radical operation. Khirurgiia no.8:73-77 Ag '62,

(MIRA 15:8)

1. Iz Severo-Osetinskogo respublikanskogo onkologicheskogo dispansera (glavnyy vrach -- kand.med.nauk A.Kh. Khoranov) g. Ordzhoni-kidze.

(STOMACH--SURGERY)   (STOMACH--CANCER)

TAKULOV, U. T. (Ordzhonikidze, ul. Spartaka, 14)

Routes for the lymphogenic spreading of gastric cancer. Vop. onk.
8 no.5:52-61   '62.   (MIRA 15:7)

1. Iz kafedry obshchey khirurgii (zav. - prof. G. Kh. Sarkisov)
Severo-Osetinskogo gosudarstvennogo meditsinskogo instituta
(rektor - dots. M. A. Totrov) i Severo-Osetinskogo respubli-
kanskogo onkodispansera (glav. vrach - kand. med. nauk A. Kh.
Khoranov)

        (STOMACH--CANCER)   (LYMPHATICS)

TAKULOV, U.T. (Ordzhonikidze)

Changes in the lymph ducts in gastric cancer. Arkh. pat.
25 no.5:51-57 '63.   (MIRA 17:2)

1. Iz kafedry khirurgii (zav. - prof. G.Kh. Sarkisov) i
kafedry normal'noy anatomii (zav. - dotsent V.V. Fedyay)
Severo-Osetinskogo meditsinskogo instituta.

TAKULOV, N.T., dotsent

Macroscopic form of gastric cancer and the characteristics of
its growth and microscopic expansion. Khirurgiia 41 no.4:60-64
Ap '65.   (MIRA 18:5)

1. Kafedra obshchey khirurgii (zav. - dotsent N.T. Takulov)
Severoosetinskogo meditsinskogo instituta i Severoosetinskiy
respublikanskiy onkologicheskiy dispanser, Ordzhonikidze.

AUTHOR: Takumbetov, M. (Ufa)   2-2-4/12

TITLE: Estimation and Calculation of Operational Expenses at Machine
             and Tractor Stations (Ob uchete i kal'kulirovanii proizvodst-
             vennykh zatrat v mashinno-traktornykh stantsiyakh)

PERIODICAL: Vestnik Statistiki, 1957, # 2, p 29-39 (USSR)

ABSTRACT: One of the basic conditions for a continuous rise of agri-
             cultural production in the USSR is the improvement of the per-
             formances of the Machine and Tractor Stations - MTS. According
             to the directives for the sixth five-year plan, the daily per-
             formances of tractors and combines must be increased by 30 % -
             35 % and the net operational costs reduced by 16 % in order to
             diminish the considerable expenses to the government. It is
             planned to make the MTS gradually self-supporting, which will
             enable better utilization of material and labor resources and
             help increase the importance of the MTS in the development of
             agricultural production and the organizational consolidation
             of the collective farms. The author points out that self-
             supporting enterprises ought to do correct estimations and
             calculations of net operational costs and that the accounting
             system used by the MTS does not reveal the exact expenses for
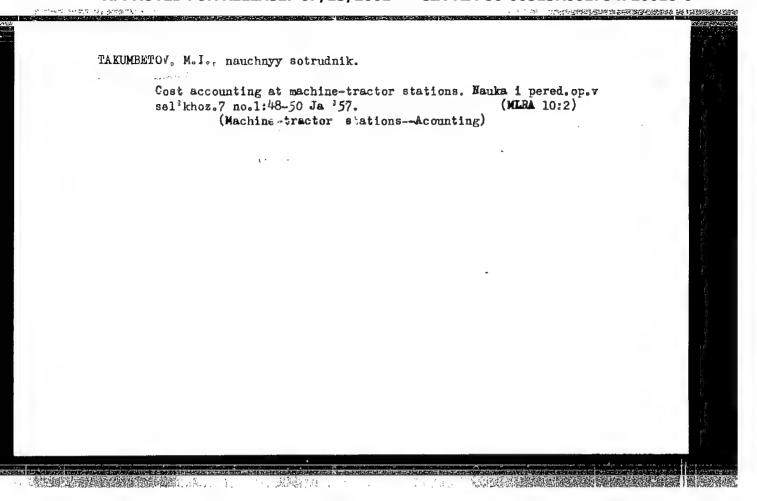Card 1/2   the work performed by machines and tractors on the collective

Estimation and Calculation of Operational Expenses at Machine and Tractor
Stations

farms they are servicing. The present calculating system
needs substantial improvements if the MTS should be made self-
supporting. Proper bookkeeping showing the actual expenses
of MTS for maintenance, repair, work performed by tractors
and combines, transportation by trucks, supply of electricity
from MTS power plants to households on collective farms will
reduce operational costs wherever possible and show the net
costs for labor and expenses in correct proportion to the
compensation received from the collective farms.
There are two tables.

AVAILABLE: Library of Congress

Card 2/2

TAKUMBETOV, M.I., nauchnyy sotrudnik.

Cost accounting at machine-tractor stations. Nauka i pered.op.v
sel'khoz.7 no.1:48-50 Ja '57.   (MLRA 10:2)
          (Machine-tractor stations--Acounting)

TAKUMBETOV, M.

Accounting for production expenses and calculating costs on machine-tractor stations that operate on a commercial basis. Bukhg.uchet 24 no.4:16-24 Ap '57.   (MIRA 10:12)
                    (Machine-tractor stations--Costs)

"Self ... Price of Machine and Tractor Work and Problems in Calculation at the MTS.(Machine and Tractor Station)."

dissertation defended for the degree of Candidate of Economy at the Inst. for Economy.

Defense of Dissertation (Jan-Jul 1957)
Sect. of Economy, Philosophy, and Jurisprudence
Vest. AN SSSR, 1957, v. 27, N. 12, pp. 126-127

KOLPAKOV, S.V., inzh.; TARUNOVA, S.T., inzh.; TARAKANOV, O.G., inzh.

Properties of rigid foamed polyurethanes. Stroi. mat. 9 no.5:
39-40 My '63.
(MIRA 16:7)

(Urethanes—Testing)

CHABINKA, Wojciech; TAKUSKA, Wanda; HENNER, Irena

Curves of heparin action in patients operated on. Przegl. lek.
Krakow 10 no.12a:401-404 Dec 54.

1. Z III Kliniki chirurg. A.M. w Krakowie - kierownik prof. dr.
J.Jasienski
        (HEPARIN, effects
            on blood coagulation after surg.)
        (BLOOD COAGULATION, eff. of drugs on
            heparin, after surg.)

TAKUSKI, S.; ZALEWSKI, F.

The relation between the strength of brick walls and the way of brick binding.
p. 415.

PRZEGLAD GORNICZY. (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow
Gornictwa) Katowice, Poland, Vol. 15, no. 9, Sept. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

TAKUSKI, Stanislaw

Deposits of limestone in Ghana. Przegl geol 9 no.10:554-556 '61.

1. Akademia Gorniczo-Hutnicza.

(Ghana—Limestone)

TAKUSKI, Stanislaw

Raw glass materials for the glass industries in Ghana. Szklo 12 no.8:
232-234 Ag '61.

1. Katedra Glebienia Szybow, Akademia Gorniczo-Hutnicza, Krakow.

GAJDEK, Eugeniusz, mgr inz.; TAKUSKI, Stanislaw, dr. inz.

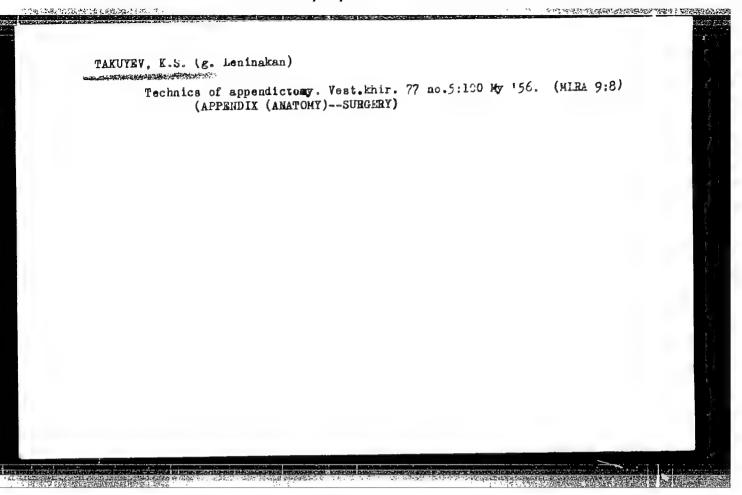   Application of gravel-concrete filters. Gosp wodna 22 no.9:407-409 S '62.
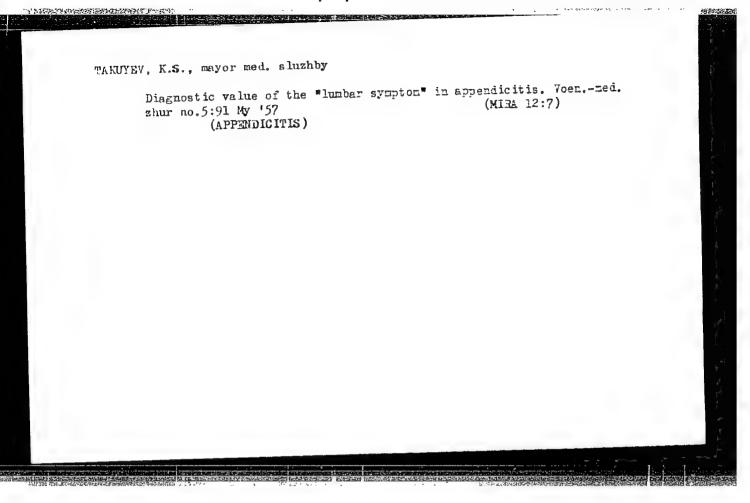
TAKUSKI, Stanislow

    Certain mechanical properties of silicated sands. Gor-
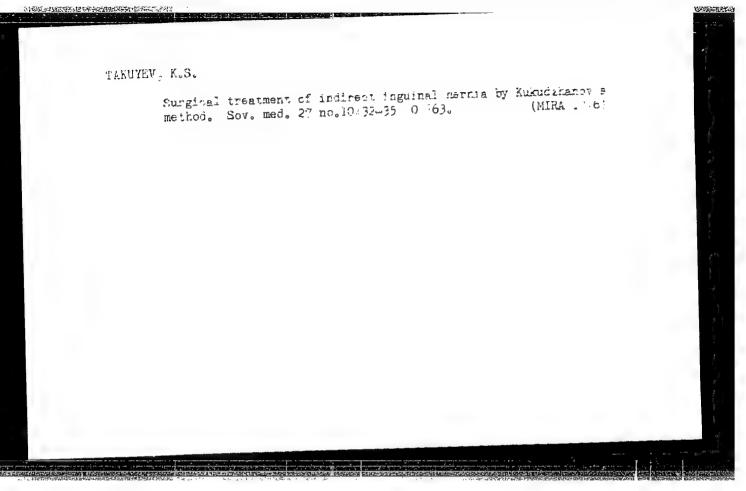nictwo Krakow no.9:93-120 '63.

    1. Katedra Glebienia Szybow i Obudowy Gorniczej, Akademia
Gorniczo-Hutnicza, Krakow.

TAKUSKI, Stanislaw, dr inz.

Radiologic measurement of the loosened zone in the floor of mine workings. Prz-gl gorn 20 no.3:89-92   Mr '64.

TAKUYEV, K.S. (g. Leninakan)

Technics of appendictomy. Vest.khir. 77 no.5:130 My '56. (MIRA 9:8)
(APPENDIX (ANATOMY)--SURGERY)

TAKUYEV, K.S., mayor med. sluzhby

Diagnostic value of the "lumbar symptom" in appendicitis. Voen.-med.
zhur no.5:91 My '57   (MIRA 12:7)
           (APPENDICITIS)

TAKUYEV, K.S.

Surgical treatment of indirect inguinal hernia by Kukudzhanov's
method. Sov. med. 27 no.10:32-35 O '63.   (MIRA 17:6)

Consumers' indoor wiring. TAKY, F. *Elektrotechnika,* 40, 143-6 (*July,* 1948) *In Hungarian.*—Discusses the design of domestic wiring installations and gives a method for estimating possible loads. Examples are given of the most suitable dispositions for fuse-boxes and meters.   A.

TAKY, Ferenc

Questions relating to the modernization of working place il-
lumination. Munkavedelem 3 no.1/3:1-7 '62.

1. Szakszervezetek Orezagos Tanacsa Munkavedelmi Tudomanyos
Kutato Intezete;es "Munkavedelem" szerkeszto bizottsaganak tagja.

TAKY, Ferenc

Is the color-corrected mercury vapor lamp ($Hg L$) suitable for illuminating inner rooms? Munkavedelem 9 no.4/6:10-13 '63.

1. "Munkavedelem" szerkeszto bizottsagi tagja; Szakszervezetek Orszagos Tanacsa Munkavedelmi Tudomanyos Kutato Intezet.

TAKZEY, A.G. [Taksei, A.H.]

Production of bacon. Khar. prom. no.1:56   Ja-Mr '63.
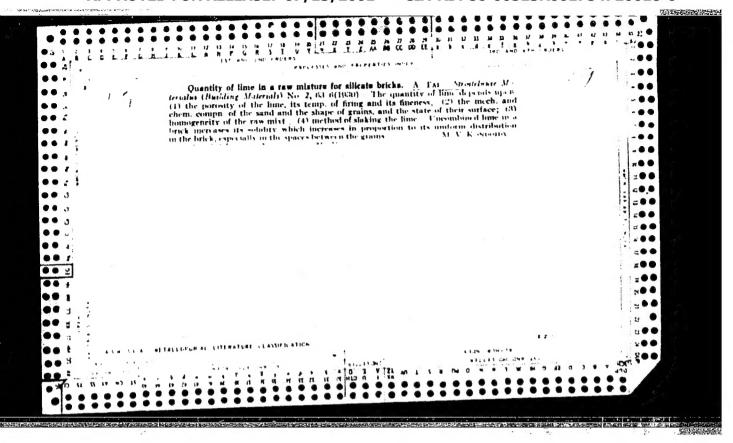   (MIRA 16:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut myaso-
molochnoy promyshlennosti.
                          (Bacon)

TAKSEI, A.G. [Taksei, A.H.]; GRINEVSKAIA, N.G. [Hrynevs'ka, N.H.]

Revision of the yield norms for slaughtering products.
Khar. prom. no.1:78-80 Ja-Mr '65. (MIRA 18:4)

Quantity of lime in a raw mixture for silicate bricks. A. I. al. *Stroitel'nye Materialy* (Building Materials) No. 2, 63-6(1936). The quantity of lime depends upon (1) the porosity of the lime, its temp. of firing and its fineness, (2) the mech. and chem. compn. of the sand and the shape of grains, and the state of their surface; (3) homogeneity of the raw mixt., (4) method of slaking the lime. Uncombined lime in a brick increases its solidity which increases in proportion to its uniform distribution in the brick, especially in the spaces between the grains. M. V. Konovitz

VAL', A. A.

Dissertation: "The Vyshnegradskiy's Problem in the Theory of Direct Regulation as Applied to the Indirect Regulators and to the Objects with Self-regulation."

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